1600

1631
#5
OIPE
Bp.
1-22-02

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/944,862

Input Set : N:\paola\09944862.txt
Output Set: N:\CRF3\12102001\I944862.raw

RECEIVED
JAN 1 8 2002
TECH CENTER 1600/2900

ENTERED

```
  3 <110> APPLICANT: Baker, Kevin
  4          Botstein,David
  5          Eaton,Dan
  6          Ferrara,Napoleone
  7          Filvaroff,Ellen
  8          Gerritsen,Mary
  9          Goddard,Audrey
 10          Godowski,Paul
 11          Grimaldi,Christopher
 12          Gurney,Austin
 13          Hillan,Kenneth
 14          Kljavin,Ivar
 15          Napier,Mary
 16          Roy,Margaret
 17          Tumas,Daniel
 18          Wood,William
 20 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 21          ACIDS ENCODING THE SAME
 23 <130> FILE REFERENCE: P2548P1C1
W--> 24 <140> CURRENT APPLICATION NUMBER: 09/944,862
 25 <141> CURRENT FILING DATE: 2001-08-31
 27 <150> PRIOR APPLICATION NUMBER: 09/866,028
 28 <151> PRIOR FILING DATE: 2001-05-25
 30 <150> PRIOR APPLICATION NUMBER: 60/069,334
W--> 31 <151> PRIOR FILING DATE: December 11, 1997
 33 <150> PRIOR APPLICATION NUMBER: 60/069335
W--> 34 <151> PRIOR FILING DATE: December 11, 1997
 36 <150> PRIOR APPLICATION NUMBER: 60/069,278
W--> 37 <151> PRIOR FILING DATE: December 11, 1997
 39 <150> PRIOR APPLICATION NUMBER: 60/069,425
W--> 40 <151> PRIOR FILING DATE: December 12, 1997
 42 <150> PRIOR APPLICATION NUMBER: 60/069,696
W--> 43 <151> PRIOR FILING DATE: December 16, 1997
 45 <150> PRIOR APPLICATION NUMBER: 60/069,694
W--> 46 <151> PRIOR FILING DATE: December 16, 1997
 48 <150> PRIOR APPLICATION NUMBER: 60/069,702
W--> 49 <151> PRIOR FILING DATE: December 16, 1997
 51 <150> PRIOR APPLICATION NUMBER: 60/069,870
W--> 52 <151> PRIOR FILING DATE: December 17, 1997
 54 <150> PRIOR APPLICATION NUMBER: 60/069,873
W--> 55 <151> PRIOR FILING DATE: December 17, 1997
 57 <150> PRIOR APPLICATION NUMBER: 60/068,017
W--> 58 <151> PRIOR FILING DATE: December 18, 1997
 60 <150> PRIOR APPLICATION NUMBER: 60/070,440
W--> 61 <151> PRIOR FILING DATE: January 5, 1998
 63 <150> PRIOR APPLICATION NUMBER: 60/074,086
W--> 64 <151> PRIOR FILING DATE: February 9, 1998
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/944,862

Input Set : N:\paola\09944862.txt
Output Set: N:\CRF3\12102001\I944862.raw

```
      66 <150> PRIOR APPLICATION NUMBER: 60/074,092
W--> 67 <151> PRIOR FILING DATE: February 9, 1998
      69 <150> PRIOR APPLICATION NUMBER: 60/075,945
W--> 70 <151> PRIOR FILING DATE: February 25, 1998
      72 <150> PRIOR APPLICATION NUMBER: 60/112,850
W--> 73 <151> PRIOR FILING DATE: December 16, 1998
      75 <150> PRIOR APPLICATION NUMBER: 60/113,296
W--> 76 <151> PRIOR FILING DATE: December 22, 1998
      78 <150> PRIOR APPLICATION NUMBER: 60/146,222
W--> 79 <151> PRIOR FILING DATE: July 28, 1999
      81 <150> PRIOR APPLICATION NUMBER: PCT/US98/19330
W--> 82 <151> PRIOR FILING DATE: September 16, 1998
      84 <150> PRIOR APPLICATION NUMBER: PCT/US98/25108
W--> 85 <151> PRIOR FILING DATE: December 1, 1998
      87 <150> PRIOR APPLICATION NUMBER: 09/216,021
W--> 88 <151> PRIOR FILING DATE: December 16, 1998
      90 <150> PRIOR APPLICATION NUMBER: 09/218,517
W--> 91 <151> PRIOR FILING DATE: December 22, 1998
      93 <150> PRIOR APPLICATION NUMBER: 09/254,311
W--> 94 <151> PRIOR FILING DATE: March 3, 1999
      96 <150> PRIOR APPLICATION NUMBER: PCT/US99/12252
W--> 97 <151> PRIOR FILING DATE: June 22, 1999
      99 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
W--> 100 <151> PRIOR FILING DATE: September 15, 1999
     102 <150> PRIOR APPLICATION NUMBER: PCT/US99/28409
W--> 103 <151> PRIOR FILING DATE: November 30, 1999
     105 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
W--> 106 <151> PRIOR FILING DATE: November 30, 1999
     108 <150> PRIOR APPLICATION NUMBER: PCT/US99/28301
W--> 109 <151> PRIOR FILING DATE: December1, 1999
     111 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
W--> 112 <151> PRIOR FILING DATE: December 16, 1999
     114 <150> PRIOR APPLICATION NUMBER: PCT/US00/03565
W--> 115 <151> PRIOR FILING DATE: February 11, 2000
     117 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
W--> 118 <151> PRIOR FILING DATE: February 22, 2000
     120 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841
W--> 121 <151> PRIOR FILING DATE: March 2, 2000
     123 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439
W--> 124 <151> PRIOR FILING DATE: March 30, 2000
     126 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042
W--> 127 <151> PRIOR FILING DATE: May 22, 2000
     129 <150> PRIOR APPLICATION NUMBER: PCT/US00/20710
W--> 130 <151> PRIOR FILING DATE: July 28, 2000
     132 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678
W--> 133 <151> PRIOR FILING DATE: December 1, 2000
     135 <150> PRIOR APPLICATION NUMBER: PCT/US01/06520
W--> 136 <151> PRIOR FILING DATE: February 28, 2001
     138 <160> NUMBER OF SEQ ID NOS: 120
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/944,862

DATE: 12/10/2001
TIME: 15:41:35

Input Set : N:\paola\09944862.txt
Output Set: N:\CRF3\12102001\I944862.raw

```
140 <210> SEQ ID NO: 1
141 <211> LENGTH: 2454
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo Sapien
145 <400> SEQUENCE: 1
146  ggactaatct gtgggagcag tttattccag tatcacccag ggtgcagcca 50
148  caccaggact gtgttgaagg gtgttttttt tcttttaaat gtaatacctc 100
150  ctcatctttt cttcttacac agtgtctgag aacatttaca ttatagataa 150
152  gtagtacatg gtggataact tctacttta ggaggactac tctcttctga 200
154  cagtcctaga ctggtcttct acactaagac accatgaagg agtatgtgct 250
156  cctattattc ctggctttgt gctctgccaa acccttcttt agcccttcac 300
158  acatcgcact gaagaatatg atgctgaagg atatggaaga cacagatgat 350
160  gatgatgatg atgatgatga tgatgatgat gatgaggaca actctctttt 400
162  tccaacaaga gagccaagaa gccattttt tccatttgat ctgtttccaa 450
164  tgtgtccatt tggatgtcag tgctattcac gagttgtaca ttgctcagat 500
166  ttaggtttga cctcagtccc aaccaacatt ccatttgata ctcgaatgct 550
168  tgatcttcaa aacaataaaa ttaaggaaat caaagaaat gattttaaag 600
170  gactcacttc actttatggt ctgatcctga acaacaacaa gctaacgaag 650
172  attcacccaa aagcctttct aaccacaaag aagttgcgaa ggctgtatct 700
174  gtcccacaat caactaagtg aaataccact taatcttccc aaatcattag 750
176  cagaactcag aattcatgaa aataaagtta agaaaataca aaaggacaca 800
178  ttcaaaggaa tgaatgcttt acacgttttg gaaatgagtg caaaccctct 850
180  tgataataat gggatagagc caggggcatt tgaaggggtg acggtgttcc 900
182  atatcagaat tgcagaagca aaactgacct cagttcctaa aggcttacca 950
184  ccaactttat tggagcttca cttagattat aataaaattt caacagtgga 1000
186  acttgaggat tttaaacgat acaaagaact acaaaggctg ggcctaggaa 1050
188  acaacaaaat cacagatatc gaaaatggga gtcttgctaa cataccacgt 1100
190  gtgagagaaa tacatttgga aaacaataaa ctaaaaaaaa tcccttcagg 1150
192  attaccagag ttgaaatacc tccagataat cttccttcat tctaattcaa 1200
194  ttgcaagagt gggagtaaat gacttctgtc caacagtgcc aaagatgaag 1250
196  aaatctttat acagtgcaat aagtttattc aacaacccgg tgaaatactg 1300
198  ggaaatgcaa cctgcaacat ttcgttgtgt tttgagcaga atgagtgttc 1350
200  agcttgggaa ctttggaatg taataattag taattggtaa tgtccattta 1400
202  atataagatt caaaaatccc tacatttgga atacttgaac tctattaata 1450
204  atggtagtat tatatataca agcaaatatc tattctcaag tggtaagtcc 1500
206  actgacttat tttatgacaa gaaatttcaa cggaattttg ccaaactatt 1550
208  gatacataag gggttgagag aaacaagcat ctattgcagt ttcctttttg 1600
210  cgtacaaatg atcttacata aatctcatgc ttgaccattc ctttcttcat 1650
212  aacaaaaaag taagatattc ggtatttaac actttgttat caagcacatt 1700
214  ttaaaagaa ctgtactgta aatggaatgc ttgacttagc aaaatttgtg 1750
216  ctctttcatt tgctgttaga aaaacagaat taacaaagac agtaatgtga 1800
218  agagtgcatt acactattct tattctttag taacttgggt agtactgtaa 1850
220  tatttttaat catcttaaag tatgatttga tataatctta ttgaaattac 1900
222  cttatcatgt cttagagccc gtctttatgt ttaaaactaa tttcttaaaa 1950
224  taaagccttc agtaaatgtt cattaccaac ttgataaatg ctactcataa 2000
226  gagctggttt ggggctatag catatgcttt ttttttttta attattacct 2050
228  gatttaaaaa tctctgtaaa aacgtgtagt gtttcataaa atctgtaact 2100
230  cgcattttaa tgatccgcta ttataagctt ttaatagcat gaaaattgtt 2150
232  aggctatata acattgccac ttcaactcta aggaatattt ttgagatatc 2200
```

```
234  cctttggaag accttgcttg gaagagcctg gacactaaca attctacacc 2250
236  aaattgtctc ttcaaatacg tatggactgg ataactctga gaaacacatc 2300
238  tagtataact gaataagcag agcatcaaat taaacagaca gaaaccgaaa 2350
240  gctctatata aatgctcaga gttctttatg tatttcttat tggcattcaa 2400
242  catatgtaaa atcagaaaac agggaaattt tcattaaaaa tattggtttg 2450
244  aaat 2454
246  <210> SEQ ID NO: 2
247  <211> LENGTH: 379
248  <212> TYPE: PRT
249  <213> ORGANISM: Homo Sapien
251  <400> SEQUENCE: 2
252  Met Lys Glu Tyr Val Leu Leu Leu Phe Leu Ala Leu Cys Ser Ala
253   1               5                   10                  15
255  Lys Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met
256               20                  25                  30
258  Leu Lys Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp Asp Asp
259               35                  40                  45
261  Asp Asp Asp Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr Arg Glu
262               50                  55                  60
264  Pro Arg Ser His Phe Phe Pro Phe Asp Leu Phe Pro Met Cys Pro
265               65                  70                  75
267  Phe Gly Cys Gln Cys Tyr Ser Arg Val Val His Cys Ser Asp Leu
268               80                  85                  90
270  Gly Leu Thr Ser Val Pro Thr Asn Ile Pro Phe Asp Thr Arg Met
271               95                  100                 105
273  Leu Asp Leu Gln Asn Asn Lys Ile Lys Glu Ile Lys Glu Asn Asp
274               110                 115                 120
276  Phe Lys Gly Leu Thr Ser Leu Tyr Gly Leu Ile Leu Asn Asn Asn
277               125                 130                 135
279  Lys Leu Thr Lys Ile His Pro Lys Ala Phe Leu Thr Thr Lys Lys
280               140                 145                 150
282  Leu Arg Arg Leu Tyr Leu Ser His Asn Gln Leu Ser Glu Ile Pro
283               155                 160                 165
285  Leu Asn Leu Pro Lys Ser Leu Ala Glu Leu Arg Ile His Glu Asn
286               170                 175                 180
288  Lys Val Lys Lys Ile Gln Lys Asp Thr Phe Lys Gly Met Asn Ala
289               185                 190                 195
291  Leu His Val Leu Glu Met Ser Ala Asn Pro Leu Asp Asn Asn Gly
292               200                 205                 210
294  Ile Glu Pro Gly Ala Phe Glu Gly Val Thr Val Phe His Ile Arg
295               215                 220                 225
297  Ile Ala Glu Ala Lys Leu Thr Ser Val Pro Lys Gly Leu Pro Pro
298               230                 235                 240
300  Thr Leu Leu Glu Leu His Leu Asp Tyr Asn Lys Ile Ser Thr Val
301               245                 250                 255
303  Glu Leu Glu Asp Phe Lys Arg Tyr Lys Glu Leu Gln Arg Leu Gly
304               260                 265                 270
306  Leu Gly Asn Asn Lys Ile Thr Asp Ile Glu Asn Gly Ser Leu Ala
307               275                 280                 285
```

RAW SEQUENCE LISTING   DATE: 12/10/2001
PATENT APPLICATION: US/09/944,862   TIME: 15:41:35

Input Set : N:\paola\09944862.txt
Output Set: N:\CRF3\12102001\I944862.raw

```
309  Asn Ile Pro Arg Val Arg Glu Ile His Leu Glu Asn Asn Lys Leu
310                  290             295                 300
312  Lys Lys Ile Pro Ser Gly Leu Pro Glu Leu Lys Tyr Leu Gln Ile
313                  305             310                 315
315  Ile Phe Leu His Ser Asn Ser Ile Ala Arg Val Gly Val Asn Asp
316                  320             325                 330
318  Phe Cys Pro Thr Val Pro Lys Met Lys Lys Ser Leu Tyr Ser Ala
319                  335             340                 345
321  Ile Ser Leu Phe Asn Asn Pro Val Lys Tyr Trp Glu Met Gln Pro
322                  350             355                 360
324  Ala Thr Phe Arg Cys Val Leu Ser Arg Met Ser Val Gln Leu Gly
325                  365             370                 375
327  Asn Phe Gly Met
330 <210> SEQ ID NO: 3
331 <211> LENGTH: 20
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
338 <400> SEQUENCE: 3
339  ggaaatgagt gcaaaccctc 20
341 <210> SEQ ID NO: 4
342 <211> LENGTH: 24
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
349 <400> SEQUENCE: 4
350  tcccaagctg aacactcatt ctgc 24
352 <210> SEQ ID NO: 5
353 <211> LENGTH: 50
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
360 <400> SEQUENCE: 5
361  gggtgacggt gttccatatc agaattgcag aagcaaaact gacctcagtt 50
363 <210> SEQ ID NO: 6
364 <211> LENGTH: 3441
365 <212> TYPE: DNA
366 <213> ORGANISM: Homo Sapien
368 <400> SEQUENCE: 6
369  cggacgcgtg ggcggacgcg tgggcccgcs gcaccgcccc cggcccggcc 50
371  ctccgccctc cgcactcgcg cctccctccc tccgcccgct cccgcgccct 100
373  cctccctccc tcctccccag ctgtcccgtt cgcgtcatgc cgagcctccc 150
375  ggccccgccg gccccgctgc tgctcctcgg gctgctgctg ctcggctccc 200
377  ggccggcccg cggcgccggc ccagagcccc ccgtgctgcc catccgttct 250
379  gagaaggagc cgctgcccgt tcggggagcg gcaggctgca ccttcggcgg 300
381  gaaggtctat gccttggacg agacgtggca cccggaccta gggcagccat 350
```

VERIFICATION SUMMARY   DATE: 12/10/2001
PATENT APPLICATION: US/09/944,862   TIME: 15:41:36

Input Set : **N:\paola\09944862.txt**
Output Set: **N:\CRF3\12102001\I944862.raw**

```
L:24 M:283 W: Missing Blank Line separator, <140> field identifier
L:31 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:34 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:37 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:40 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:43 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:46 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:49 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:52 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:55 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:58 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:61 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:64 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:67 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:70 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:73 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:76 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:79 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:82 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:85 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:88 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:91 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:94 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:97 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:100 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:103 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:106 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:109 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:112 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:115 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:118 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:121 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:124 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:127 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:130 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:133 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:136 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
```